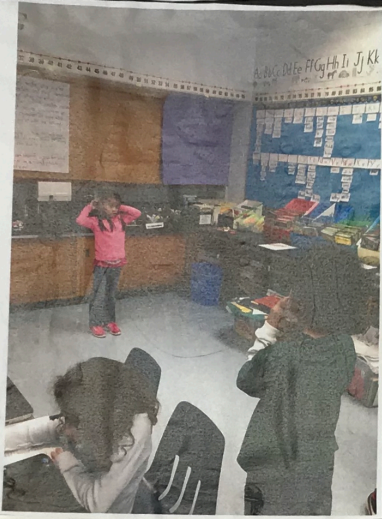


## My Question:

Does sound travel better along a string that is tight or loose?

# String and Cup Experiment



## Data/Scientific Drawing

Emily K

String and Cup Observations

Test	Can partner 1 hear? Y or N	Can partner 2 hear? Y or N
Speaking into cup (loose string)	NO	NO
Rubbing string (loose)	NO	NO
Plucking string (loose)	NO	NO
Speaking into string (tight)	YES	YES
Rubbing string (tight)	YES	YES
Plucking string (tight)	YES	YES

## My Hypothesis:

I think sound will travel better in tight string.

Talking cups

### Materials:

- 2 plastic cups
- 1 string (2 meters long)
- Needle

### Procedure:

1. With the help of an adult make holes in cup and thread the string through the cups.
2. With a partner first attempt to hear the sound with the loose string by talking into the cups.
3. With a partner now try to hear the sound with a tight string by talking into the cups.
4. Record your findings.

## My Reflection:

I learned that if the string is tight you can hear some one in the other side. If the string was loose you can't hear the other person. Next time, I would like to try to change the cup into a can. I would change the cup into a can because it is much bigger.

## Results/ My Conclusion:

My hypothesis was right we could hear the plucking and the rubbing and the talking when the string was tight.